

1. PRODUCT NAME

Tenon[®] Paver Seal

2. MANUFACTURER

Bluestone Products[®], a TCC Materials[®] company
 2025 Centre Pointe Blvd.
 Mendota Heights, MN 55120 USA

Phone: 1.651.688.9116

Fax: 1.651.688.9164

Internet: tccmaterials.com

3. PRODUCT DESCRIPTION

Tenon[®] Paver Seal is designed to protect & extend the life of installed pavers, while enhancing the color and adding a matte finish. Made with a blend of methacrylate polymers, this solvent-based coating does not yellow when exposed to the sun's UV rays and can also be used as a final sealer on concrete, architectural concrete, brick, natural tile, and other cementitious materials. Paver Seal will enhance the beauty of pavers, colored or stamped concrete, or exposed aggregate yet keep a matte finish. It forms a membrane to increase protection from damaging freeze-thaw cycles, deicing salts, efflorescence, and chemical erosion, protects surfaces from most chemicals, dirt, acids, alkali, oil, grease, foods, and airborne pollutants while making these surfaces easier to clean.

Features and Benefits

- Enriches and enhances the natural color of the substrate without creating a glossy surface.
- Non-staining, non-yellowing
- Ready to use (no diluting)
- Solvent-based formula provides a protective membrane
- Minimizes spalling and aggregate pops by penetrating into the surface of the concrete or exposed aggregate to fill gaps and voids
- Makes surfaces less dusty and easier to clean by resisting penetration of grease or rust stains on concrete surfaces
- Easy to apply with sprayer, roller, or long nap applicator
- Increases resistance from damaging freeze-thaw cycles, deicing salts, efflorescence, and chemical erosion
- Protects surfaces from effects of rain water penetration, airborne pollutants, most chemicals, dirt, foods, acids, alkali, grease, oils, salt, freeze-thaw, and other contaminants while making surfaces easier to clean
- 2-hour drying time to be open to traffic under normal conditions
- Wear patterns can be easily re-coated

Uses

- Above-grade exterior applications
- Vertical or horizontal applications
- New or existing applications
- Final seal for paving stone, colored concrete, architectural concrete, natural stone, and brick

SAFETY

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS information is available on our website: tccmaterials.com or contact TCC Materials[®] at 651-688-9116 (7:30 AM to 4:00 PM Central US Time).

CAUTIONS

Read complete cautionary information printed on product container prior to use.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered Tenon[®] brand product (s) under normal environmental and working conditions. Because each project is different, neither Tenon[®] nor TCC Materials[®] can be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

4. TECHNICAL DATA

Typical Results of Tenon [®] Paver Seal	
Composition and Materials	A blend of 100% methacrylate acrylic polymers in a fast-drying aromatic solvent. No fillers are used and there are no oils or saponifiable resins. Tenon [®] products are manufactured with only the finest quality raw materials available and close quality-control is practiced.
Percent Solids	25%
Flash Point	> 100°F (37°C)
Typical Drying Time @ 70°F	1 hour (touch) 2 hours (traffic)
VOC Content	< 700 g/l
A.I.M. Category	Curing and Sealing Compound Maximum VOC 700 g/l
Applicable Standards	ASTM C-1315, Type 1, Class A, B, and C.

Note: These dry times are dependent on normal drying conditions. Cool temperatures or high humidity will slow the drying time.

Packaging

- 1 gal. bottle (3.78 L) - Product #129730
- 5 gal. pail (18.93 L) - Product #129720
- 55 gal. drum (208 L) - Product #129551

Shelf Life

For best use, the recommended shelf life is 12 months. If shelf life is beyond 12 months, please contact your distributor. Store in a cool, dry location in the original labeled container, away from moisture, out of direct sunlight. Protect from freezing, store at 50°F-100°F (10°C-37°C). DO NOT STORE NEAR HEAT OR OPEN FLAME. Keep containers tightly sealed when not in use.

5. INSTALLATION

Preparation

- Read all directions before starting work. Paver Seal is ready for use, do not dilute. Read and understand SDS pages for safety precautions prior to use.
- Remove all loose or unsound materials prior to application. Thoroughly clean surface of dirt, dust, oil, grease or other contaminants before using.
- For optimal performance, apply only to dry surfaces in order to avoid trapping moisture between the film and the concrete slab, which can cause a white film to develop.
- Do not apply when rain is expected within 4-6 hours of application.
- Paver Seal will not freeze, however it must be allowed to warm to 50°F (10°C) prior to using.
- Use only in well-ventilated areas.

Pavers, Patio Stone, Brick and Exposed Aggregate:

Surface must be clean and dry to avoid trapping moisture. Always follow paver manufacturer's sealing recommendations and test in a discrete area prior to application.

Existing Concrete: Repair any cracks or damaged areas. Surfaces must be clean, dry, and free from oil, grease, dust, and curing compounds (especially wax based).

Colored Concrete: Paver Seal intensifies the color of decorative concrete. When used for decorative sealing, product is best applied on fully cured concrete (28 days), that is dry, and has uniform color.

Stamped Concrete: Proper washing is important, any abundance of oil from a liquid release agent can block adhesion of the Paver Seal. When using a powdered release agent, delaminating of the sealer may occur if the proper amount of release is not washed off the surface prior to sealer application.

Note: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

Job Mockups

The manufacturer requires that when its Tenon® products are used in any application or as part of any system that includes other manufacturers' products, the contractor and/or design professional shall test all the system components collectively for compatibility, performance and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the tests performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project-specific conditions being addressed, and standardized tests performed for each proposed system or variation.

Mixing

- Gently stir to blend prior to use. Do not entrain air.
- Do not dilute.

Application

- Apply only when air and substrate temperatures are between 40°F-100°F (4°C-38°C) and the Paver Seal is above 50°F (10°C). For best results, avoid application in direct sunlight.
- Apply with low-pressure sprayer, with roller, or with a short-napped applicator at the rate of 200-350 sq. ft. per gal. Sprayers must be equipped with PVC, viton, or other compatible fittings and hoses as solvents can damage rubber.
- Work the Paver Seal into the surface, avoiding pools, runs, or sags.
- For large areas, an airless sprayer can be used and back-rolling recommended. Sprayers must be equipped with PVC, viton, or other compatible fittings as the solvent can damage rubber fittings.
- Surface should have a uniform coating.
- Allow first coating to thoroughly dry prior to application of a second coating.

Note: Paver Seal will darken the appearance of concrete, especially if it is applied too heavily. A small mock-up in an inconspicuous area is often done to test compatibility with the substrate prior to full application. When applying to existing areas surfaces must be clean and dry.

Cleaning

Use xylene-based solvent cleaners on tools and equipment. For sprayers, pump the solvent through the spray equipment to remove any residue to prevent clogs in the hose and wand. For skin contact, wash thoroughly with soap and warm water.

Limitations

- Paver Seal is not recommended for applications on freshly-poured colored concrete, asphalt, surfaces subject to hydrostatic pressure, or as a waterproofing agent for below-grade surfaces.
- Existing surfaces must be fully dry to not trap moisture between the film and the concrete slab, which can cause a white film to develop.
- Sprayers must be equipped with PVC, viton, or other compatible fittings and hoses as rubber or other materials will disintegrate from the solvent.
- Since it is a solvent-based sealer, keep away from heat and flame. Use only with sufficient ventilation, do not breathe vapor or mist, wear the appropriate properly fitted NIOSH/MSHA approved respirator. Close container tightly after each use.
- Some fumes may be present during application. Use best practices when applying on interiors for proper ventilation. Paver Seal is non-toxic in its cured state.
- Store between 50°F-100°F (10°C-37.7°C). Sealer must be at least 50°F (10°C) before application.
- Dispose of contents/container in accordance with all local and state regulations.
- Do not dilute.
- Keep out of reach of children.

Coverage

Approximate Coverage @ 70°F (21°C)	Sq. Ft./Gal.	M ² /L
Pavers & smooth concrete	200-300	4.9-7.4
Decorative & broomed concrete	250-350	2.4-8.6
Natural stone	200-300	4.9-7.4
Concrete block	200-300	4.9-7.4

Note: Coverage is per coating and may vary due to porosity, wind, temperatures, and condition of surfaces.

6. AVAILABILITY

To locate Tenon® products in your area, please contact:

Phone: 1.651.688.9116
Email: info@tccmaterials.com

7. WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

8. MAINTENANCE

Minimal maintenance is required other than normal sweeping, dusting, or mopping. If wear patterns do occur, or if spillage removes the coating, reapply to the affected area. Reapplication is recommended every 3-5 years depending on application and usage. Do not apply a penetrating sealer over Paver Seal.

9. TECHNICAL SERVICES

Technical Assistance:

Information is available by calling TCC Materials® (hours 7:30 AM to 4:00 PM CST):

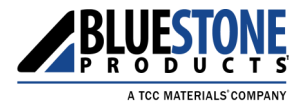
Phone: 1.651.688.9116
Email: info@tccmaterials.com
Web: tccmaterials.com

Technical and Safety Literature:

To acquire technical and safety literature, please visit our website at: tccmaterials.com.

10. FILING SYSTEM

Division 7 & 9



Bluestone Products®
A TCC Materials Company
2025 Centre Pointe Blvd
Mendota Heights, MN 55120
tccmaterials.com